

(19)



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(11)

EP 1 445 873 A2

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:
11.08.2004 Bulletin 2004/33(51) Int Cl.: H04B 1/69, H04B 1/707,
H04L 25/02

(21) Application number: 04250619.6

(22) Date of filing: 05.02.2004

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

(30) Priority: 06.02.2003 JP 2003029883
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(54) Mobile station, base station, program for and method of wireless transmission based on chip repetition and IFDMA.

(57) A mobile station that wirelessly transmits to a base station by DS-CDMA a signal spread by multiplying a spreading code includes a chip-pattern generating unit that generates a predetermined chip pattern by per-

forming chip repetition for a predetermined number of repetitions to a spreading chip sequence, and a multiplying unit that multiplies to a signal including the predetermined chip pattern generated by the generating unit a phase specific to the mobile station.

FIG.1

